

WHAT IS CLAIMED IS:

1. A color cathode ray tube comprising:

a panel having a phosphor screen on the inner  
surface thereof, the phosphor screen having a plurality  
5 of phosphor layers;

an electron gun located opposite the phosphor  
screen and configured to emit electron beams toward the  
phosphor screen; and

a shadow mask located opposite the phosphor screen  
10 and having a large number of electron beam passage  
apertures through which the electron beams are applied  
to the phosphor layers corresponding thereto,

the shadow mask being formed by press molding and  
including a substantially rectangular mask effective  
15 portion in the form of a gently sloped dome having the  
electron beam passage apertures and a skirt portion  
extending from the peripheral edge of the mask  
effective portion substantially at right angles  
thereto,

20 the skirt portion having a plurality of apertures  
arranged to be spaced from one another in a direction  
parallel to the peripheral edge of the mask effective  
portion, and belt portions formed between the apertures  
and an extending end edge of the skirt portion and  
25 extending along the extending end edge, the belt  
portions having wrinkles formed along the extending end  
edge by the press molding.

2. A color cathode ray tube according to claim 1,  
wherein the width of each of the belt portions ranges  
from 1 to 3 mm.

3. A color cathode ray tube according to claim 1,  
5 wherein the width of each of the apertures increases  
from the peripheral edge of the mask effective portion  
toward the extending end edge side of the skirt  
portion.

4. A color cathode ray tube according to claim 3,  
10 wherein each said aperture is triangular.

5. A color cathode ray tube according to claim 3,  
wherein the distance between the end of each aperture  
on the peripheral edge side of the mask effective  
portion and the extending end edge of the skirt portion  
15 accounts for 50% or more of the distance between the  
peripheral edge of the mask effective portion and the  
extending end edge of the skirt portion.

6. A color cathode ray tube according to claim 3,  
wherein the width of each of the belt portions ranges  
20 from 1 to 3 mm.

7. A color cathode ray tube according to claim 1,  
wherein the width of each aperture along the extending  
end edge of the skirt portion is narrower than the  
distance between each two adjacent apertures.

8. A color cathode ray tube comprising:

a panel having a phosphor screen on the inner  
surface thereof, the phosphor screen having a plurality

of phosphor layers;

an electron gun located opposite the phosphor screen and configured to emit electron beams toward the phosphor screen; and

5 a shadow mask located opposite the phosphor screen and having a large number of electron beam passage apertures through which the electron beams are applied to the phosphor layers corresponding thereto,

10 the shadow mask being formed by press molding and including a substantially rectangular mask effective portion in the form of a gently sloped dome having the electron beam passage apertures and a skirt portion extending from the peripheral edge of the mask effective portion substantially at right angles thereto,

15 the skirt portion having a plurality of slit groups arranged to be spaced from one another in a direction parallel to the peripheral edge of the mask effective portion, and belt portions defined between the slit groups and an extending end edge of the skirt portion and extending along the extending end edge,

20 each of the slit groups including a plurality of slits extending substantially at right angles to the extending end edge of the skirt portion and arranged at spaces in a direction substantially parallel to the  
25 extending end edge, the slits including a central slit, the longest one, and side slits arranged on the

opposite sides of the central slit and having lengths reduced stepwise.

5 9. A color cathode ray tube according to claim 8, wherein each of the slit groups, including the central and side slits, is substantially triangular.

10 10. A color cathode ray tube according to claim 8, wherein the distance between the end of the central slit in each slit group on the peripheral edge side of the mask effective portion and the extending end edge of the skirt portion accounts for 50% or more of the distance between the peripheral edge of the mask effective portion and the extending end edge of the skirt portion.

15 11. A color cathode ray tube according to claim 8, wherein the width of each of the belt portions ranges from 1 to 3 mm.

20 12. A color cathode ray tube according to claim 8, wherein the width of each of the slit groups along the extending end edge of the skirt portion is narrower than the distance between each two adjacent slit groups.